Chinook Populations and Sport Fishing Parameters of Kitimat Arm

E. Oguss

Department of Fisheries and Oceans
Saimonid Enhancement Program
1090 West Pender Street
Vancouver, British Columbia V6E 2P1

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CHINOOK POPULATIONS AND SPORT FISHING PARAMETERS OF KITIMAT ARM

By

E. Oguss[1]

Department of Fisheries and Oceans
Salmonid Enhancement Program
Vancouver, British Columbia

[1]Beak Consultants Ltd.,
Vancouver, British Columbia

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ABSTRACT

Oguss, E. 1982. Chinook Populations and Sport Fishing Parameters of Kitimat Arm. Can. Data Rep. Fish. Aquat. Sci. 344: vi + 38 p.

This data report contains selected data listings and summaries arising from a study of the chinook salmon population rearing in the Kitimat Arm/Douglas Channel area. Floy anchor tags were used to mark 1,427 immature chinook, which were predominantly 2_1 age fish. Sport fishermen recaptured 171 tags during the period 1 June 1980 through 31 January 1982. A total of 1,241 fishermen were interviewed for the creel census. Analysis of these data can be found in the accompanying Technical Report. This data report contains tag return data, related Coded Wire Tag data, selected data summaries from the creel census, and figures illustrating the distribution of marked fish.

Keywords: Kitimat Arm, Douglas Channel, Petersen estimates, commercial fisheries, sport fisheries, chinook smolts, Kitimat hatchery enhancement, mark/recovery.

RÉSUMÉ

Oguss, E. 1982. Chinook Populations and Sport Fishing Parameters of Kitimat Arm. Can. Data Rep. Fish. Aquat. Sci. 344: vi + 38 p.

Le présent registre contient des listes et des résumés de données choisies tirées d'une étude de l'élevage de saumons quinnats dans la région du bras Kitimat et du chenal Douglas. On a utilisé des étiquettes à ancrage Floy pour marquer 1,427 jeunes saumons quinnats, qui faisaient surtout partie du groupe d'âge 21. Les pêcheurs sportifs ont récupéré 171 étiquettes du 1er juin 1980 au 31 janvier 1982. On a interrogé 1,241 pêcheurs afin de dénombrer leurs prises. L'analyse de ces données se trouve dans le rapport technique ci-joint. Le régistre contient des données connexes sur les étiquettes métalliques codées, des résumés de données choisies provenant du dénombrement des prises, ainsi que des illustrations montrant la distribution des poissons marqués.

Mots Cles: Kitimat et Douglas Channel, Petersen estimate, la pêche commerciale, la pêche sportive, rehaussement, étiquetage/recapture, piscifacture, pilote de Kitimat.

SUMMARY

This Data Report contains listings and summaries of data resulting from tagging of juvenile chinook salmon (Oncorhynchus tshawytscha) and a sport creel census in a coastal inlet of British Columbia. Contents include: 1) coded-wire tag awareness of sport fishermen (data summary); 2) tag recapture data (Floy anchor tags released on 2-year old feeders); 3) figures illustrating the distribution of tagged 2-year olds; 4) tag recapture data (coded-wire tags released on 5-month hatchery smolts); 5) data summaries of angler effort and catch by residence of angler, subarea of effort, and month; 6) chinook growth data listing (2 year-olds); and 7) data listing of coded-wire tag recaptures observed in creel census. The reader is referred to the accompanying technical report for analyses of these data.

ACKNOWLEDGEMENTS

The success of this project was made possible by the cooperation and good will of the sport fishermen in the Kitimat Arm area. With respect to data handling, special acknowledgement is due to Beverly McNaughton who verified the computer records with field data and assisted with the analysis.

SECTION 1: Coded-Wire Tag Awareness by Residence of Fishermen & Month .

	Kitimat/Terrace Residents	Non-local B.C. Residents	Non-B.C. Residents
May	69% unaware 0% partial 31% aware	71% unaware 0% partial 29% aware	(no tags caught)
June	61% unaware 4% partial 35% aware	33% unaware 0% partial 67% aware	(no tags caught)
July	40% unaware 13% partial 47% aware	50% unaware 0% partial 50% aware	50% unaware 0% partial 50% aware
August	12% unaware 13% partial 75% aware	12% unaware 12% partial 76% aware	(no tags caught)
September	50% unaware 12% partial 38% aware	67% unaware 0% partial 33% aware	(no tags caught)

Unaware = totally unaware of head-recovery program
Partial = aware of head-recovery program, but did not notice his fish was adipose-clipped
Aware = aware of program and did notice missing adipose fin

SECTION 2: Floy Tag Recapture Data.

Recapture Date	Recapture Location	Study Subarea	Tagging Date	Tagging Location	Study Subarea	Days Since Release	Distance (km)	Length (cm)	Age Class	Tag Number
1980										
01/06	Coste Island	B	26/05	Jesse Falls	B	6	6.4	36	-	Z01792
07/06	Emilia Island	E	20/05	Jesse Falls	B	18	12.7	38	2-1	Z01184
07/06	Douglas Channel (S)	G	26/05	Jesse Falls	B	12	55.3	36	-	Z01734
07/06	Jesse Falls	B	28/05	Amy Point	F	10	46.3	44	2-1	Z01926
09/06	Coste Island	B	20/05	Jesse Falls	B	20	7.0	36	2-1	Z01119
09/06	Jesse Falls	B	30/05	Hilton Point	B	10	2.8	35	-	Z02155
11/06	Fishtrap Bay	F	27/05	Fishtrap Bay	F	45	1	42	2-1	Z01891
12/06	Eagle Bay	B	20/05	Jesse Falls	B	13	11.8	32	2-1	Z02109
14/06	Tow Hill	-	26/05	Jesse Falls	B	19		38	3-2	Z01780
15/06	Coste Island	B	19/05	Clio Bay	A	27	11.4	36	-	Z01162
15/06	Sue Channel	D	07/06	Hilton Point	B	8	19.0	38	-	Z02387
16/06	Steel Point	B	20/05	Jesse Falls	B	27	10.6	33	2-1	Z01102
17/06	Coste Island	B	10/06	Kildala Arm	C	7	9.5	37	-	Z02579
18/06	Marys Point	F	07/06	Hilton Point	B	11	39.3	45	3-2	Z02326
25/06	-	-	07/06	Hilton Point	B	18	-	39	3-2	Z02200
25/06	Grant Point	E	08/06	Hilton Point	B	17	22.5	45	-	Z02496
28/06	Triumph Bay	G	27/05	Fishtrap Bay	F	32	32.9	36	-	Z01897
28/06	Grant Point	E	07/06	Hilton Point	B	21	21.1	44	-	Z02339
29/06	Fishtrap Bay	F	19/05	Emsley Cove	B	40	54.2	36	-	Z01171
29/06	Devastation Channel	F	07/06	Hilton Point	B	22	18.3	34	-	Z02245
29/06	Gilttoyees Inlet	E	22/06	Jesse Falls	B	7	14.6	36	-	Z02715
30/06	Weewanie Creek	F	23/06	Paisley Point	E	7	23.5	43	-	Z02772
01/07	Northern	-	23/05	Point Ashton	E	?	-	42	2-1	Z01620
01/07	Area 6 Seine	G	23/06	Point Ashton	B	?	-	33	2-1	Z02778

SECTION 2 Cont'd: Floy Tag Recapture Data.

Recapture Date	Recapture Location	Study Subarea	Tagging Date	Tagging Location	Study Subarea	Days Since Release	Distance (km)	Length (cm)	Age Class	Tag Number
01/07	Pike Creek	F	08/06	Hilton Point	B	23	16.3	32	2-1	Z02441
02/07	Money Point	G	26/05	Jesse Falls	B	37	68.6	35	-	Z01755
04/07	Bishop Bay	G	21/05	Jesse Falls	B	44	58.6	44	-	Z01574
05/07	Grant Point	E	09/06	Hilton Point	B	26	21.6	35	-	Z02553
05/07	Grant Point	E	12/06	Fishtrap Bay	F	23	53.4	44	-	Z02633
06/07	Gilttoyees Inlet	E	25/06	Kitsaway Island	F	11	41.8	36	-	Z02873
10/07	Emsley Cove	B	25/06	Kitsaway Island	F	15	34.5	35	-	Z02892
13/07	Sue Channel	D	13/05	Weewanie Creek	F	31	10.7	30	-	Z01026
13/07	Sue Channel	D	20/05	Jesse Falls	B	54	24.0	33	2-1	Z01208
13/07	McKay Reach	G	30/05	Hilton Point	B	44	77.7	35	2-1	Z02066
13/07	Eagle Bay	B	10/06	Kitimat Arm	A	33	12.5	33	-	Z02572
14/07	Kitimat Arm	A	28/06	Weewanie Creek	F	15	37.0	38	-	Z02992
14/07	Lewis Pass	G	20/05	Jesse Falls	B	55	112.2	35	-	Z01053
18/07	McKay Reach	G	23/06	Miskatla Inlet	E	21	86.3	33	2-1	Z02808
19/07	Jesse Falls	B	26/05	Jesse Falls	B	53	1	36	-	Z01720
19/07	Barnard Harbour	G	26/05	Jesse Falls	B	54	107.0	37	-	Z01719
19/07	Kitsaway Island	F	30/05	Hilton Point	B	51	24.3	37	-	Z02132
19/07	Coghlan Anchorage	G	10/06	Kitimat Arm	A	39	81.5	42	3-2	Z02576
19/07	Barnard Harbour	G	22/06	Jesse Falls	B	27	107.0	29	-	Z02753
19/07	Kitsaway Island	F	27/06	Kitsaway Island	F	22	1	38	-	Z02948
20/07	Amy Point	F	21/05	Jesse Falls	B	60	46.6	-	-	Z01553
20/07	Jesse Falls	B	20/07	Jesse Falls	B	13	2.7	31	2-1	Z02355
20/07	Moody Point	F	07/06	Hilton Point	B	43	41.6	31	-	Z02349
21/07	Lewis Pass	G	24/06	Staniforth Pt.	F	27	60.3	34	2-1	Z02839
21/07	Kitimat River	A	08/06	Hilton Point	B	42	13.5	24		Z02547
23/07	Kitsaway Island	F	30/05	Jesse Falls	B	54	26.5	36	-	Z02090
23/07	Tugwell Island	-	07/06	Hilton Point	B	45		39		Z02360

SECTION 2 Cont'd: Floy Tag Recapture Data.

Recapture Date	Recapture Location	Study Subarea	Tagging Date	Tagging Location	Study Subarea	Days Since Release	Distance (km)	Length (cm)	Age Class	Tag Number
23/07	Verney Pass	G	06/06	Jesse Falls	B	46	59.4	44		Z02173
24/07	Jesse Falls	B	08/06	Hilton Point	B	45	2.0	54	3-2	Z02509
24/07	Bish Creek	A	29/05	Jesse Falls	B	55	7.9	36		
25/07	McKay Reach	G	22/06	Jesse Falls	B	33	78.4	44	2-1	Z02684
25/07	Prince Rupert	-	23/06	Pt. Ashton	E	32	-	37	-	Z02781
26/07	Money Point	G	21/05	Jesse Falls	B	66	69.8	38	-	Z01522
26/07	Gilttoyees Inlet	E	21/05	Jesse Falls	B	66	12.7	34	2-1	Z01554
26/07	Moody Point	F	26/05	Jesse Falls	B	51	45.0	39	-	Z01739
26/07	Moody Point	F	06/06	Hilton Point	B	50	42.4	40	3-2	Z02275
27/07	Kitimat Arm	A	23/05	Pt. Ashton	E	65	30.7	44	3-2	Z01710
27/07	Bishop Bay	G	06/06	Hilton Point	B	51	60.3	40	-	Z02286
27/07	Hideaway Bay	B	24/06	Legeak Point	B	33	8.1	33	-	Z02821
27/07	McKay Reach	G	28/06	Amy Point	F	29	33.2	43	-	Z02974
29/07	Lewis Pass	G	27/06	Kitsaway Island	F	32	65.5	36	2-1	Z02950
31/07	Bishop Bay	G	30/05	Jesse Falls	B	62	60.5	33	-	Z02097
31/07	Weewanie Creek	F	28/06	Anderson Point	F	33	6.7	39	-	Z02985
0?/08	Otter Pass	-	22/06	Jesse Falls	B	-	-	43	2-1	Z02743
02/08	Fishtrap Bay	F	24/06	Kitsaway Island	F	36	14.2	36	2-1	Z02842
03/08	Sue Channel	D	25/06	Dorothy Island	F	39	16.1	33	-	Z02896
03/08	Bishop Bay	G	28/06	Amy Point	F	36	16.8	42	-	Z02972
04/08	Rix Island	G	27/05	Fishtrap Bay	F	69	26.7	38	-	Z01922
04/08	Hersey Point	G	08/06	Hilton Point	B	57		36	-	Z02519
04/08	Gilttoyees Inlet	E	10/06	Clio Bay	A	55	27.6	29	-	Z02574
04/08	Foch Lagoon	E	13/06	Kitsaway Island	F	52	37.5	32	-	Z02650
04/08	Bishop Bay	G	23/06	Pt. Ashton	E	42	61.3	34	-	Z02769
04/08	Douglas Channel	G	25/06	Kitsaway Island	F	40	36.3	37	-	Z02886

SECTION 2 Cont'd: Floy Tag Recapture Data.

Recapture Date	Recapture Location	Study Subarea	Tagging Date	Tagging Location	Study Subarea	Days Since Release	Distance (km)	Length (cm)	Age Class	Tag Number
05/08	Banks Island	-	28/05	Amy Point	F	69		42	3-2	Z01931
06/08	Bishop Bay	G	22/06	Jesse Falls	B	45	60.0	36	-	Z02748
06/08	Kitsaway Island	F	25/06	Kitsaway Island	F	42	1	41	-	Z02891
07/08	Kingcome Point	G	07/06	Hilton Point	B	61	71.9	37	-	Z02337
08/08	McKay Reach	G	20/05	Jesse Falls	B	80	80.8	36	-	Z01183
08/08	Jesse Falls	B	22/06	Jesse Falls	B	47	1	36	2-1	Z02752
10/08	Bishop Bay	G	06/06	Jesse Falls	B	34	64.0	33	2-1	Z02174
11/08	Otter Pass	-	07/06	Hilton Point	B	34	125.8	36	3-2	Z02201
11/08	Fishtrap Bay	F	26/06	Sue Channel	D	47	40.7	38	-	Z02908
12/08	Taylor Bight	G	12/06	Danube Bay	F	60	50.0	25		Z02690
15/08	Otter Pass	-	22/06	Jesse Falls	B	54	128.6	43	2-1	Z02743
16/08	Bishop Bay	G	27/05	Fishtrap Bay	F	81	18.1	33	2-1	Z01826
16/08	Crab River	F	26/06	Sue Channel	D	51	31.4	38	-	Z02921
18/08	Fishtrap Bay	F	23/06	Miskatla Inlet	E	56	54.1	33	2-1	Z02807
18/08	Moody Point	F	27/06	Weewanie Creek	F	52	27.2	43	2-1	Z02834
19/08	Gil Island	G	07/06	Hilton Point	B	73	91.8	29	-	Z02367
19/08	MacDonald Bar	-	27/06	Kitsaway Island	F	53	-	39	-	Z02964
20/08	Dorothy Island	F	10/06	Kitimat Arm	A	71	34.6	29	-	Z02575
23/08	Moody Point	F	12/06	Fishtrap Bay	F	72	3.1	36	-	Z02623
23/08	Bishop Bay	G	25/06	Marys Point	F	59	18.8	35	2-1	Z02849
24/08	Kitsaway Island	F	25/06	Kitsaway Island	F	60	3.0	33	2-1	Z02878
24/08	Money Point	G	27/06	Kitsaway Island	F	58	36.4	36	-	Z02961
26/08	S. Ketchikan (Alaska)	-	26/05	Jesse Falls	B	92		48	2-1	Z01802
28/08	Jesse Falls	B	07/06	Hilton Point	B	82	2.9	33	2-1	Z02225
29/08	Kitimat River	A	10/06	Clio Bay	A	80	12.5	32	-	Z02589
30/08	Coste Island	B	10/06	Kildala Arm	C	81	9.5	26	-	Z02578
30/08	Money Point	G	28/06	Anderson Point	F	62	34.6	36	2-1	Z02986

SECTION 2 Cont'd: Floy Tag Recapture Data.

Recapture Date	Recapture Location	Study Subarea	Tagging Date	Tagging Location	Study Subarea	Days Since Release	Distance (km)	Length (cm)	Age Class	Tag Number
30/08	Moody Point	F	30/05	Jesse Falls	B	91	45.0	32	-	Z02117
31/08	McKay Reach	G	28/05	Amy Point	F	94	23.0	39	-	Z01967
0?/09	McKay Reach	G	27/05	Fishtrap Bay	F		23.8	35	2-1	
01/09	McKay Reach	G	12/06	Danube Bay	F	80	38.1	31	-	Z02616
01/09	Staniforth Point	F	07/06	Hilton Point	B	86	30.5	42	2-1	Z02217
01/09	Sue Channel	D	25/06	Kitsaway Island	F	68	20.9	37	2-1	Z02882
03/09	?	G	06/06	Jesse Falls	B	89		30	-	Z02189
03/09	Fin Island	G	07/06	Hilton Point	B	89	92.1	34	2-1	Z02196
03/09	Fin Island	G	07/06	Hilton Point	B	89	92.1	33	2-1	Z02332
03/09	?	G	23/06	Point Ashton	E	72		37	2-1	Z02800
07/09	Sue Channel	D	27/05	Fishtrap Bay	F	102	24.7	33	-	Z01910
08/09	Nepean Rock	-	07/06	Hilton Point	B	92	-	46	-	Z02243
09/09	Kitsaway Island	F	24/06	Eagle Bay	B	76	27.9	38	2-1	Z02817
10/09	Kildala Bay	B	10/06	Kildala Bay	C	91	1	31	-	Z02584
14/09	Sue Channel	D	27/06	Kitsaway Island	F	78	20.9	33	2-1	Z02946
19/09	Fishtrap Bay	F	06/06	Emsley Cove	B	104	54.2	39	2-1	Z02161
04/10	Nootka	-	28/05	Amy Point	F	128	-	36		Z01953
17/11	Douglas Channel	E	08/06	Hilton Point	B	162	-	41	3-2	Z02454
21/12	Fishtrap Bay	F	23/06	Point Ashton	E	180	51.8	33	2-1	Z02795
1981										
11/01	Douglas Channel	E	27/05	Fishtrap Bay	F	228	34.8	36	2-1	Z01852
25/01	Kitimat	A	26/05	Jesse Falls	B	243	11.4	40	2-1	Z01789

SECTION 2 Cont'd: Floy Tag Recapture Data.

Recapture Date	Recapture Location	Study Subarea	Tagging Date	Tagging Location	Study Subarea	Days Since Release	Distance (km)	Length (cm)	Age Class	Tag Number
25/01	?		27/05	Fishtrap Bay	F	242	-	37	2-1	Z01871
29/01	Sue Channel	D	28/06	Weewanie	F	214	11.0	38		Z02990
26/03	Sue Channel	D	28/06	Amy Point	F	271	55.9	41		Z02981
29/03	Fishtrap Bay	F	23/06	Paisley Point	E	279	57.5	48	2-1	Z02770
15/04	Kitimat Arm	A	28/06	Amy Point	F	291	50.6	62	3-1	Z02970
17/04	Douglas Channel	E	22/06	Jesse Falls	B	299	55.3	51	2-1	Z02695
20/04	Foch Lagoon	E	22/06	Jesse Falls	B	302	9.1	34		Z02746
22/04	Triumph Bay	G	28/06	Amy Point	F	298	33.0	46	3-2	Z02969
24/04	Fishtrap Bay	F	07/06	Hilton Point	B	321	47.7	38.5	3-2	Z02318
29/04	Whales Channel	-	07/06	Hilton Point	B	326	-	39		Z02244
04/05	Jesse Falls	B	30/05	Hilton Point	B	339	2.0	34		Z02153
05/05	Sue Channel	B	07/06	Hilton Point	B	332	19.1	42		Z02320
07/05	Coste Island	B	30/05	Jesse Falls	B	342	6.0	33		Z02118
09/05	Coste Island	B	28/05	Amy Point	F	346	52.3	34	2-1	Z01968
16/05	Douglas Channel	B	27/06	Kitsaway Island	F	323	19.3	46	2-1	Z02947
16/05	Douglas Channel	E	26/05	Jesse Falls	B	355	55.3	34	2-1	Z01799
17/05	Kitimat Arm	A	08/06	Hilton Point	B	343	13.5	26		Z02536
22/05	Sue Channel	D	22/05	Coste Island	B	365	21.5	36		Z01610
24/05	Fishtrap Bay	F	25/06	Kitsaway Island	F	333	14.2	34	2-1	Z02885
25/05	Thorne Bay, AK	-	07/06	Hilton Point	B	352	-	45		Z02363
27/05	Greene Island	-	07/06	Hilton Point	B	354	-	36		Z02287
31/05	Foch Lagoon	E	25/06	Danube Bay	F	340	60.1	43		Z02858
31/05	Ursula Channel	G	24/06	Eagle Bay	B	341	61.3	36		Z02818

SECTION 2 Cont'd: Floy Tag Recapture Data.

Recapture Date	Recapture Location	Study Subarea	Tagging Date	Tagging Location	Study Subarea	Days Since Release	Distance (km)	Length (cm)	Age Class	Tag Number
14/06	Sue Channel	D	26/06	Sue Channel	D	353	1	38		Z02922
18/06	Meyers Chuck, AK	-	07/06	Hilton Point	B	376	-	41	3-2	Z02424
22/06	Milbanke Sound	-	27/06	Fishtrap Bay	F	391	-	37		Z01843
27/06	Sue Channel	D	26/05	Jesse Falls	B	397	20.0	35		Z01806
01/07	Bell Island, AK	-	07/06	Hilton Point	B	389	-	46	3-2	Z02438
02/07	Bell Island, AK	-	08/06	Hilton Point	B	389	-	35		Z02537
04/07	La Perouse Bank	-	21/05	Jesse Falls	B	409	-	37		Z01567
06/07	Cape Muzon, AK	-	30/05	Hilton Point	B	402	-	33		Z02150
16/07	Area 4	-	26/06	Sue Channel	D	385	-	38	2-1	Z02905
22/07	Alaska	-	27/06	Kitsaway Island	F	390	-	41	2-1	Z02951
25/07	Pelican Island	-	21/05	Jesse Falls	B	430	-	41		Z01441
26/07	Hogan Island	-	21/06	Danube Bay	F	400	-	36		Z02671
04/08	Area 3	-	08/06	Hilton Point	B	422	-	47	2-1	Z02453
13/08	Khaz Bay, AK	-	19/05	Emsley Cove	A	451	-	38		Z01166
0?/09	Sitka Arm, AK	-	07/06	Jesse Falls	B	?	-	53	3-1	Z02330
07/09	Icy Strait, AK	-	20/05	Jesse Falls	B	475	-	34		Z01426
15/09	Milbanke Sound	-	08/06	Hilton Point	B	464	-	47	3-1	Z02495
0?/10	Bish Creek	A	23/06	Point Ashton	B	?	-	36	2-1	Z02790
0?/10	Bish Creek	A	26/05	Jesse Falls	B	?	-	33	3-2	Z01758
15/11	Portland Canal	-	23/06	Paisley Point	B	510	-	46	3-1	Z02773
?	No data	?	09/06	Hilton Point	B	?	-	40	3-2	Z02552
?	?	?	29/05	Jesse Falls	B	?	-	36	-	Z02021

SECTION 2 Cont'd: Floy Tag Recapture Data.

Recapture Date	Recapture Location	Study Subarea	Tagging Date	Tagging Location	Study Subarea	Days Since Release	Distance (km)	Length (cm)	Age Class	Tag Number
1982										
31/01	Portland Canal	-	06/08	Jesse Falls	B	603	-	37	3-2	Z02177

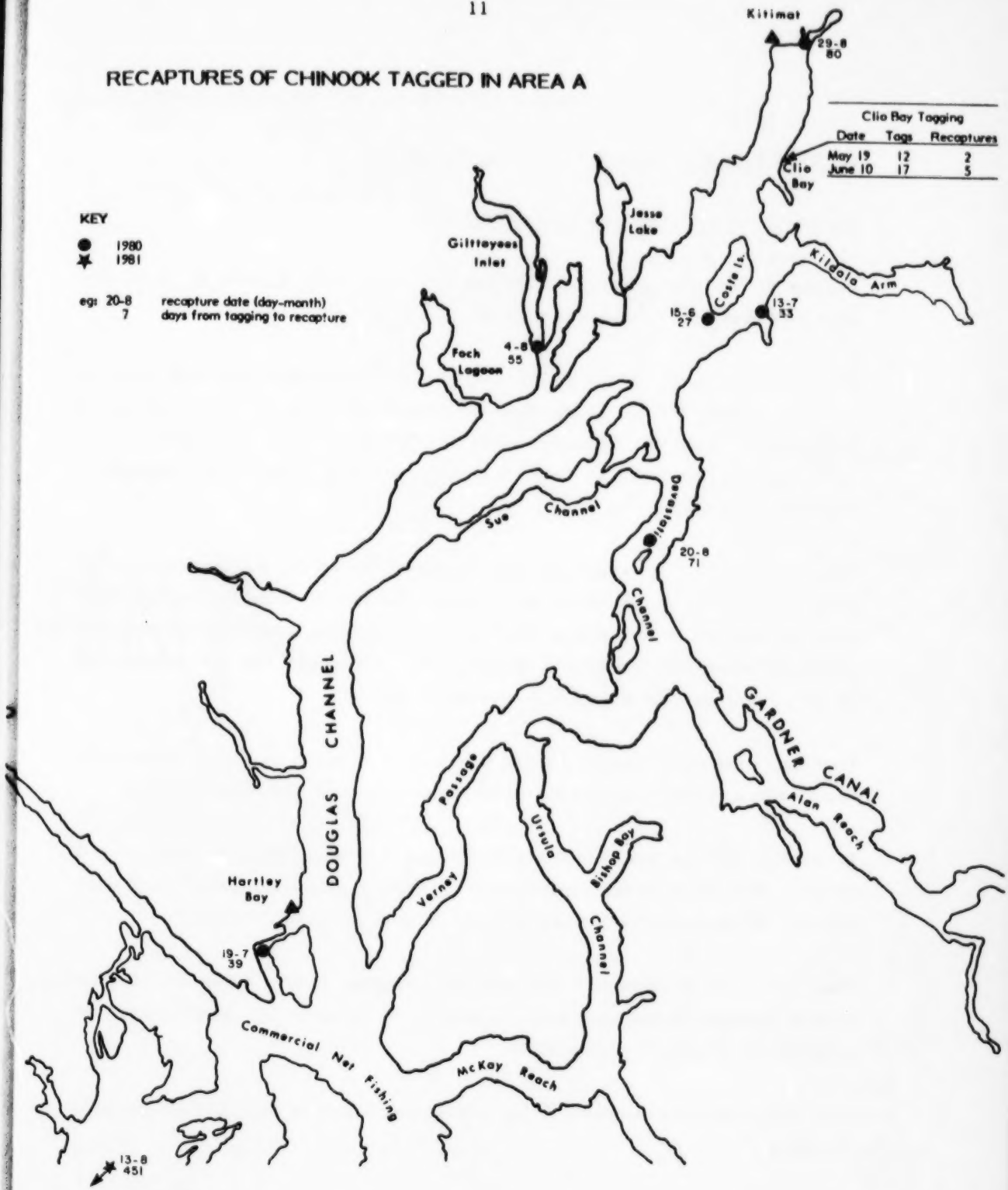
SECTION 3: Location of Floy Tag Recaptures.

Subarea A - Kitimat Harbour

Twenty-nine tags were released in Clio Bay during May and June 1980 and 7 were recaptured. One May tag was recaptured in June only 11 km from the tagging site. Two of the June tags were recaptured in July, one 11 km from the tagging site and one at Coghlan Anchorage (near Hartley Bay), 82 km from the tagging site. The former was recorded as being adipose-fin clipped (i.e. carried a CWT tag) but none of the CWT data reported to us corresponds to the recapture date and location, so no information about the origin of this fish is available. In August 3 more June tags were recaptured, one at Dorothy Island (Devastation Channel, 35 km from the tagging site), one at the mouth of Gilttoyees Inlet (28 km) and one in the Kitimat River. The latter fish, 32 cm long when tagged on June 10, was presumably a jack spawner. One year later, in August 1981, one more tag was recaptured in the Alaskan troll fishery in Khaz Bay.

This pattern of recaptures is consistent with high mobility of the rearing population and wide-ranging use of the upper waters in June and July followed by outward movement in July and August.

RECAPTURES OF CHINOOK TAGGED IN AREA A



SECTION 3 Cont'd: Location of Floy Tag Recaptures.

Subarea B - Jesse Falls/Coste Island - May Tags

Because of the large number of tags and recaptures from Subarea B, the results have been separated by month of tagging.

Of the 34 recaptures of May tagged fish, 9 were recaptured in June 1980 and 6 of these had travelled 13 km or less from the tagging site. One of these also bore a CWT tag, but again no information about its origin is available. The remainder had travelled more than 50 km to the outer waters, one being caught in the commercial troll fishery of Area 6.

Only 3 of the 15 July recaptures were within 13 km of the tagging site; 4 were caught in Subarea F and one in Sue Channel; the rest (7) were recaptured 60 or more km seaward in Bishop Bay, MacKay Reach, Douglas Channel, etc., with two recaptures from the commercial fishery. The troll-caught fish was adipose-fin clipped, but no data from the coded-wire tag is available.

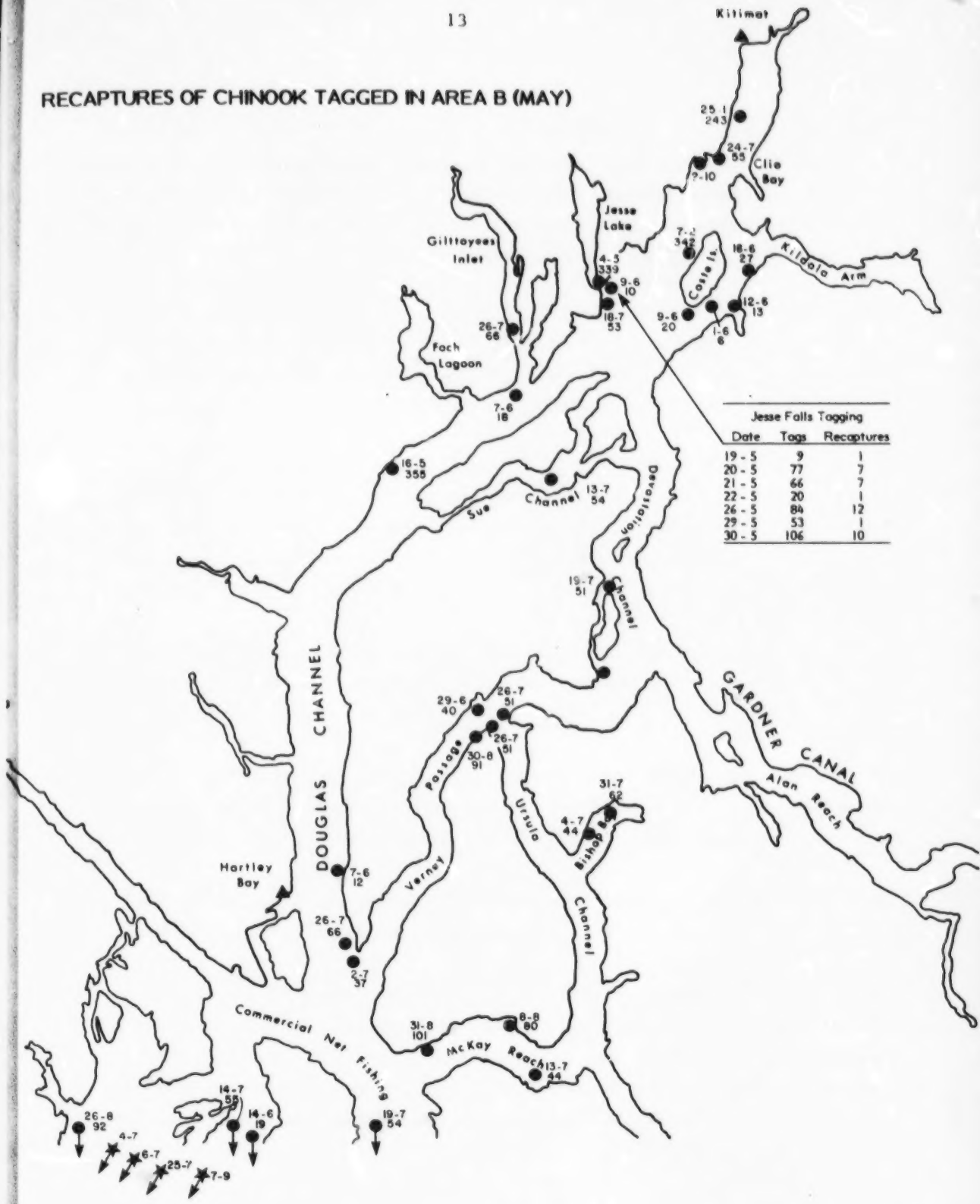
Four tags were recaptured in August; 2 in McKay Reach, 1 at Moody Point and 1 reported by a commercial packing vessel 30 miles south of Ketchikan, Alaska.

In October one tag was recaptured in Subarea A (Bish Creek), and another was caught 1 mile south of the Eurocan dock in January, indicating that at least some portion of the population was wintering in the headwaters of the inlet.

Four tags were recaptured a full year after tagging, in May 1981; two of these were in Subarea B, one in Subarea E and one in Subarea D. Another tag was recovered in Subarea D in June 1981.

Four more tags were recovered in the commercial fishery in July (3) and September (1), 1981.

RECAPTURES OF CHINOOK TAGGED IN AREA B (MAY)



Jesse Falls Tagging		
Date	Tags	Recaptures
19 - 5	9	1
20 - 5	77	7
21 - 5	66	7
22 - 5	20	1
26 - 5	84	12
29 - 5	53	1
30 - 5	106	10

Thus the May tagged fish in Subarea B appear to have dispersed widely throughout the inlet during June and July, showing outward movement in July and August; winter recaptures indicate utilization of inlet headwaters for wintering, and May recaptures indicate wider dispersal again.

SECTION 3 Cont'd: Location of Floy Tag Recaptures.

Subarea B - Jesse Falls/Coste Island - June Tags

Fifty-five of the 469 tags released in Subarea B in June were subsequently recaptured. These fish appeared to make more use of rearing areas in Douglas Channel and the western side of the study area than most of the other cohorts examined. Of the 7 recaptures in June 1980, 4 were from the area of Grant Point and Sue Channel, and one from Gilttoyees Inlet. Two were caught in Subarea F, and one tag was returned with no location information.

July 1980 recaptures included 1 in Subarea A and 3 in Subarea B; one of the latter carried a coded-wire tag, but again no data were available from the reading of the tag. Three fish were recaptured in Subarea F, and one at Grant Point. Three were sport-caught in outer waters (Bishop Bay, McKay Reach and Barnard Harbour), and 3 were caught in the commercial net fisheries of Area 6 (2 fish) and Area 4 (1 fish).

The August recaptures show an interesting mix, with 2 fish recaptured virtually at the point of release and the remainder caught far out in Bishop Bay, McKay Reach (4) and the commercial troll and seine fisheries (3).

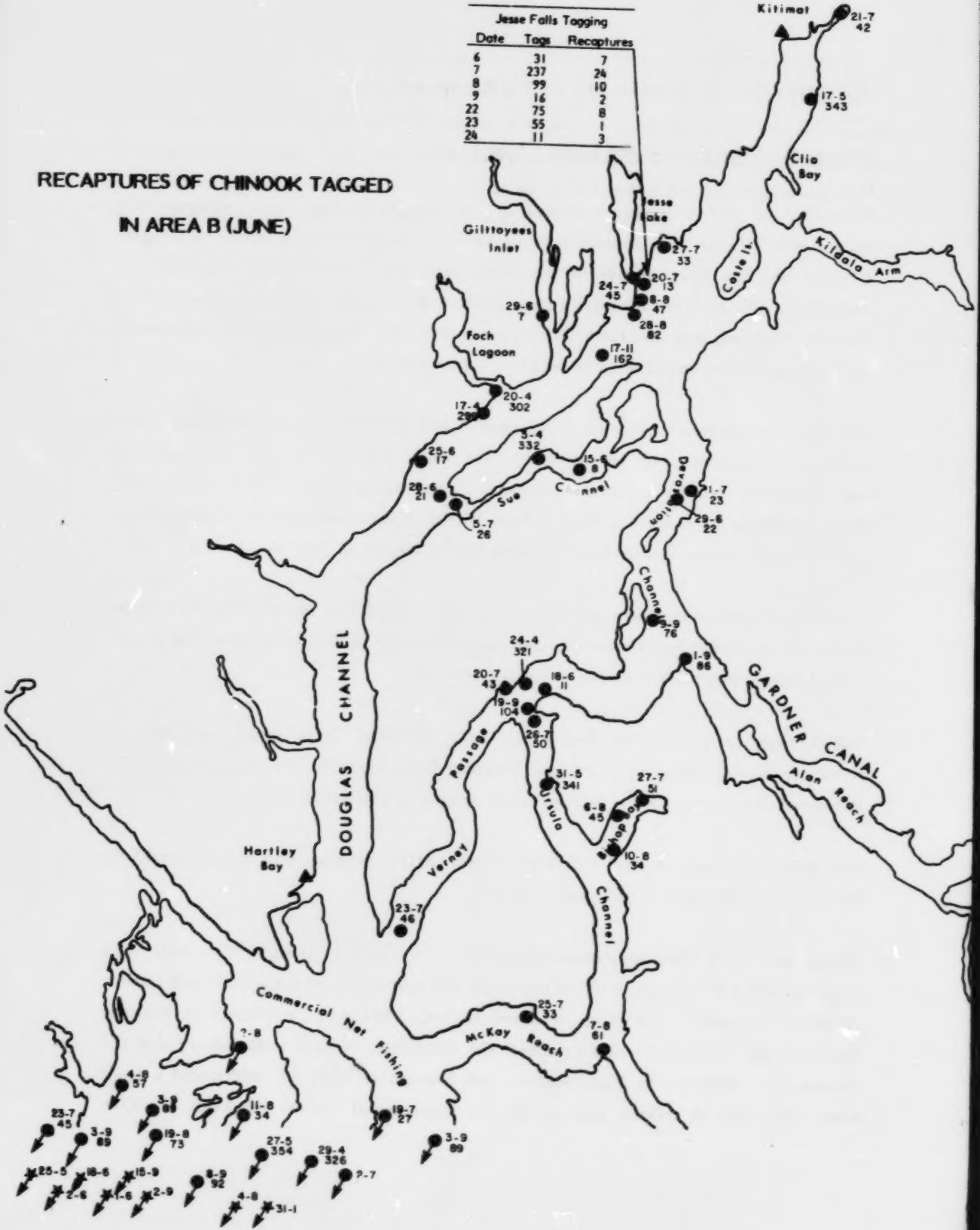
The 7 tags recaptured in September 1980 included three sport catches, (at Kitsaway Island, Stanford Point and Fishtrap Bay); three in the commercial seine fishery of Statistical Area 6 and one troll-caught in Statistical Area 5.

The only recapture during the first winter after tagging was sport-caught in November at the head of Douglas Channel.

March and April 1981 recaptures yielded 2 in Subarea E (Douglas Channel, Foch Lagoon), and 1 in Subarea F (Fishtrap Bay), and one in the commercial troll fishery (Whales Channel). Five tags returned in May 1981 were retrieved in Kitimat Harbour, Sue Channel, Ursula Channel, the Statistical Area 4 troll fishery and the Alaska troll fishery. In July, August, and September 1981 an additional 6 tags were recovered in Alaska and one in the commercial fishery of Area 3. (One

RECAPTURES OF CHINOOK TAGGED IN AREA B (JUNE)

Jesse Falls Tagging		
Date	Tags	Recaptures
6	31	7
7	237	24
8	99	10
9	16	2
22	75	8
23	55	1
24	11	3



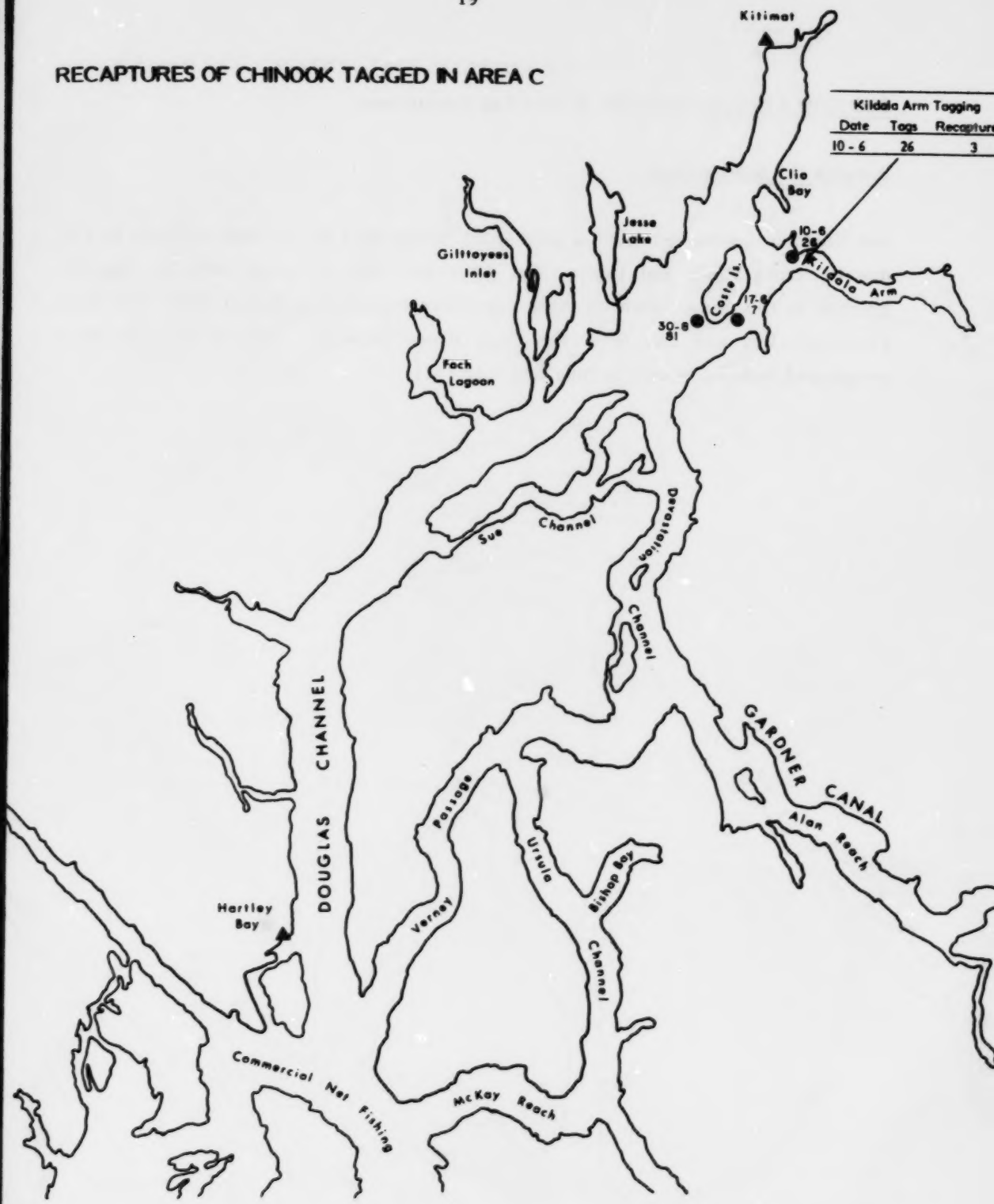
additional tag was returned in 1981 with no date or location of catch.) The last tag was retrieved in January 1982 in Portland Canal.

These June tagged fish appear to have made use of the entire inlet rearing area and followed the same basic timing of outward migration as the May tagged group.

SECTION 3 Cont'd: Location of Floy Tag Recaptures .

Subarea C - Kilda .a Arm

Kildala Arm appears to be an area with relatively low chinook abundance and low sport fishing effort. Only 26 taggable fish were caught by the seine boat, and 3 of these tags were recovered, all less than 10 km from the release point. The fish recaptured may represent a "local" rearing population but there is not enough data on which to base a firm conclusion.

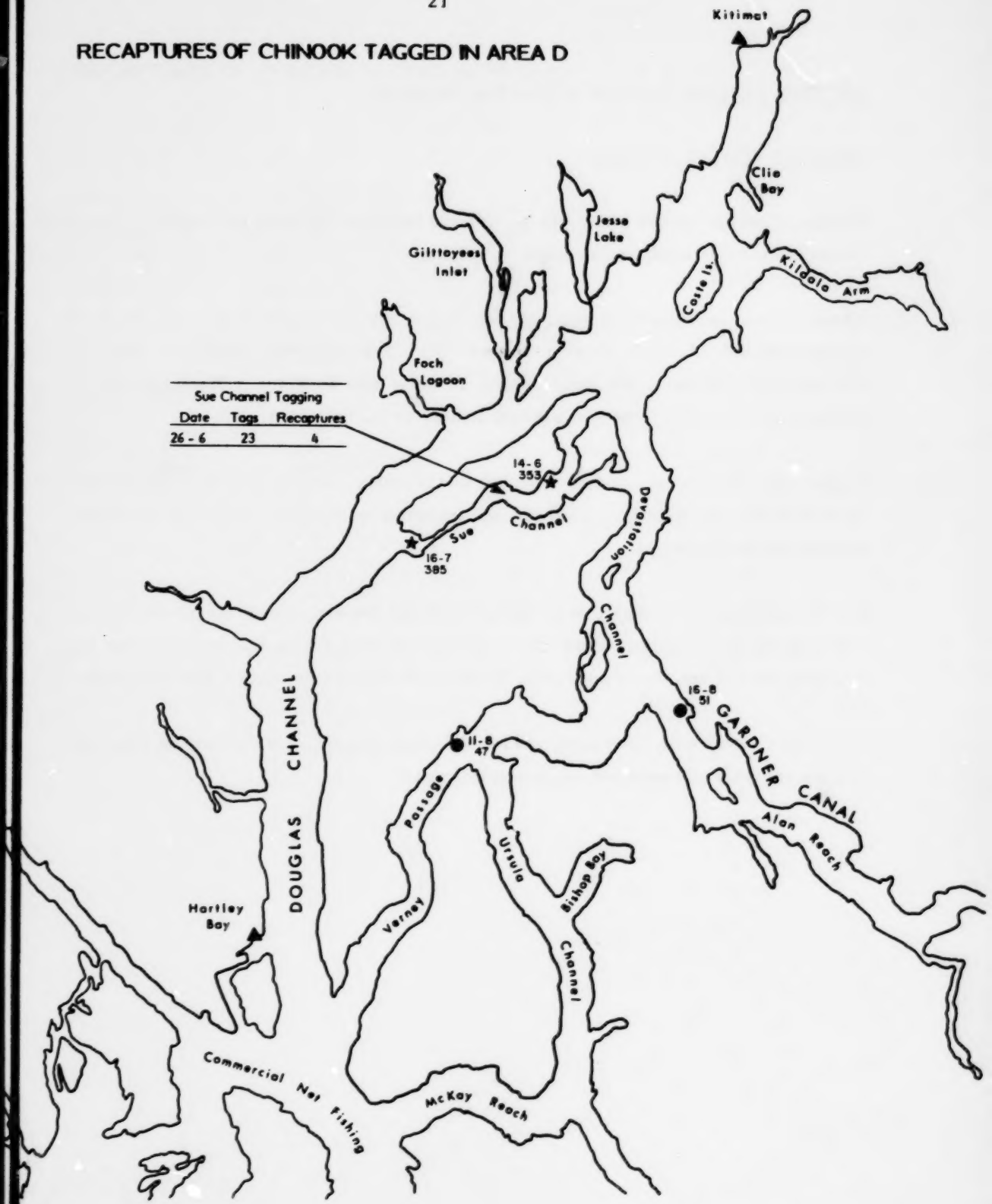

RECAPTURES OF CHINOOK TAGGED IN AREA C
Kitimat
Kildala Arm Tagging
Date Tags Recapture
10 - 6 26 3
Clio Bay
Jesse Lake
Gilttoyees Inlet
10-6 26
Kildala Arm
Coste Is.
17-6 7
30-6 81
Fach Lagoon
Sue Channel
Petersfield Channel
DOUGLAS CHANNEL
GARDNER CANAL
Alan Reach
Passage
Verney
Ursula
Bishop Bay
Channel
Hartley Bay
Commercial Net Fishing
McKay Reach

SECTION 3 Cont'd: Location of Floy Tag Recaptures.

Subarea D - Sue Channel

Sue Channel is reported to be a good sport fishing area but is often difficult to fish due to strong winds and tides. The seine was able to catch only 23 taggable chinook in this area. Two of these tags were reported in August 1980, one from Fishtrap Bay and one from the Crab River estuary. Two more tags were recaptured in Sue Channel in June and July 1981.

RECAPTURES OF CHINOOK TAGGED IN AREA D



SECTION 3 Cont'd: Location of Floy Tag Recaptures.

Subarea E - Douglas Channel

Douglas Channel waters appear to be utilized less than the smaller eastern channels of the inlet; most seine hauls caught no salmon.

There were 114 chinook tagged at the mouth of Gilttoyees Inlet, and 14 were recaptured, all of them outside Subarea E. One tag was caught in June in Devastation Channel. Six were caught in July; one in Kitimat Harbour, one at McKay Reach, and 4 in the commercial fishery of Statistical Area 6.

August and September catches were all in the outer waters, with 2 sport catches (in Bishop Bay and Fishtrap Bay) and one reported by a commercial packing vessel, presumably seine-caught.

One October catch at Bish Creek (Subarea A) and December and March catches at Fishtrap Bay indicate that some fish stayed in the inlet during the winter. One tag was retrieved in the following winter (November 1981) in Portland Canal (Alaska).

This is consistent with the pattern,shown by other cohorts,of wide-ranging inlet use in June and July and outward migration in August.

RECAPTURES OF CHINOOK TAGGED IN AREA E

SECTION 3 Cont'd: Location of Floy Tag Recaptures.

Subarea F - Devastation Channel - May Tags

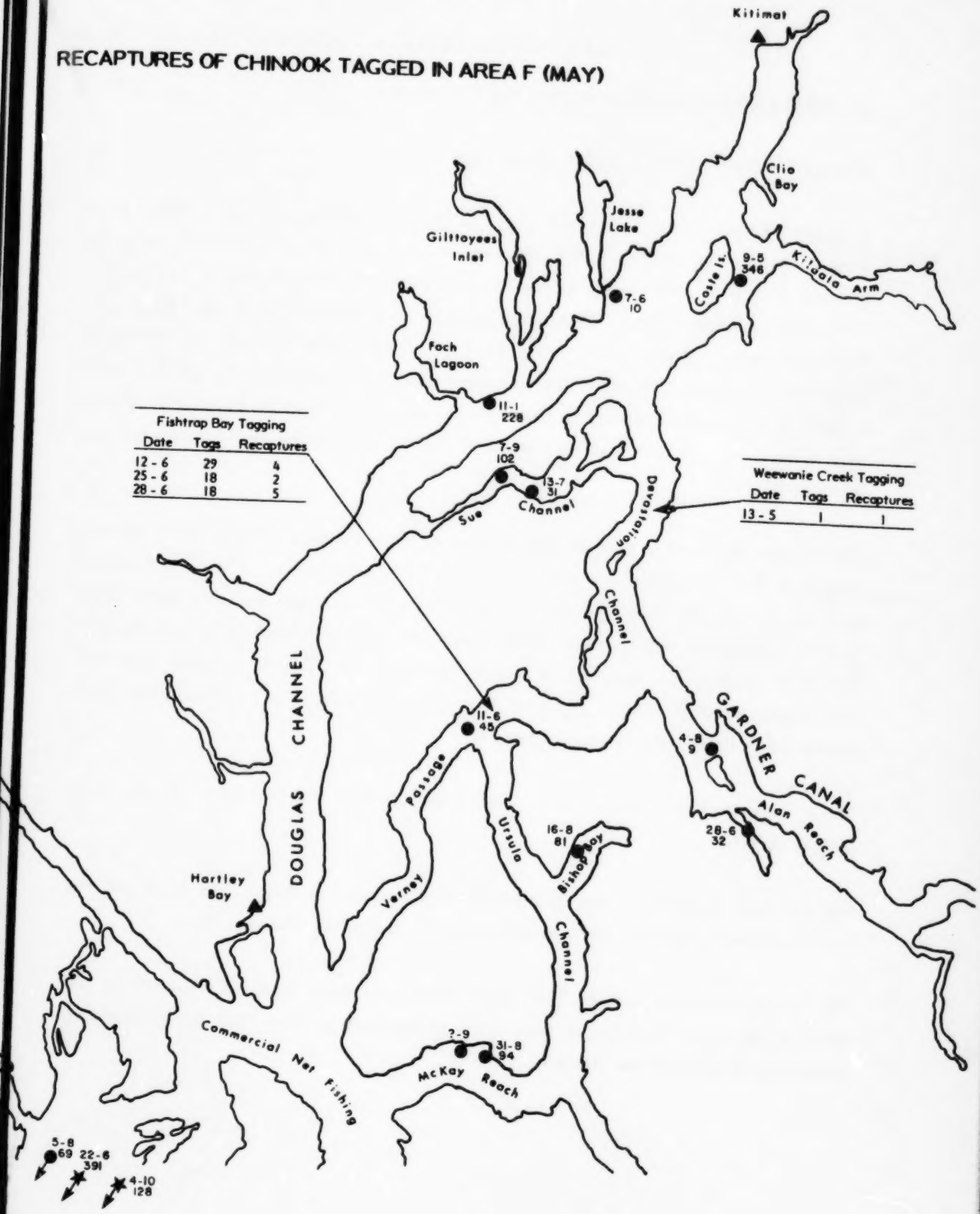
There were 164 chinook tagged in May, primarily at Fishtrap Bay, and 14 recaptures. Three tags were caught in June, one having travelled 46 km up the inlet to Jesse Falls, one at the point of release, and one 33 km away in Triumph Bay (Alan Reach).

The one tag released at Weewanie Creek in May was recaptured in Sue Channel in July.

The 4 August recaptures include another in Alan Reach, one in Bishop Bay, one in McKay Reach, and one in the commercial seine fishery of Statistical Area 5. Two tags were recaptured by sport fishermen in September, one in Sue Channel and one in McKay Reach. A northern troll fisherman picked up one tag in Area 2 in October. Another two were sport caught in January 1981, one in Douglas Channel and the other returned with no location data.

One tag was retrieved in May 1981 near Coste Island. The last tag was recaptured in June 1981 in Milbanke Sound (Area 7).

RECAPTURES OF CHINOOK TAGGED IN AREA F (MAY)



SECTION 3 Cont'd: Location of Floy Tag Recaptures .

Subarea F - Devastation Channel - June Tags

A total of 35 tags were recaptured from the 183 tags released in June. There were 9 recaptures in the month of July, and they were caught all over the study area and beyond. There was one caught at the Kitimat Yacht Club wharf, and one in Emsley Cove (above Jesse Falls). Two were caught in Subarea E at Grant Point and Gilttoyees Inlet. Two were recovered from Devastation Channel at Kitsaway Island and Weewanie Creek. One was sport caught in McKay Reach and two were caught by commercial seiners in Lewis Pass. The fish caught at Weewanie Creek was adipose-fin clipped, but was reported as a 'lost pin' by the coded-wire tag laboratory.

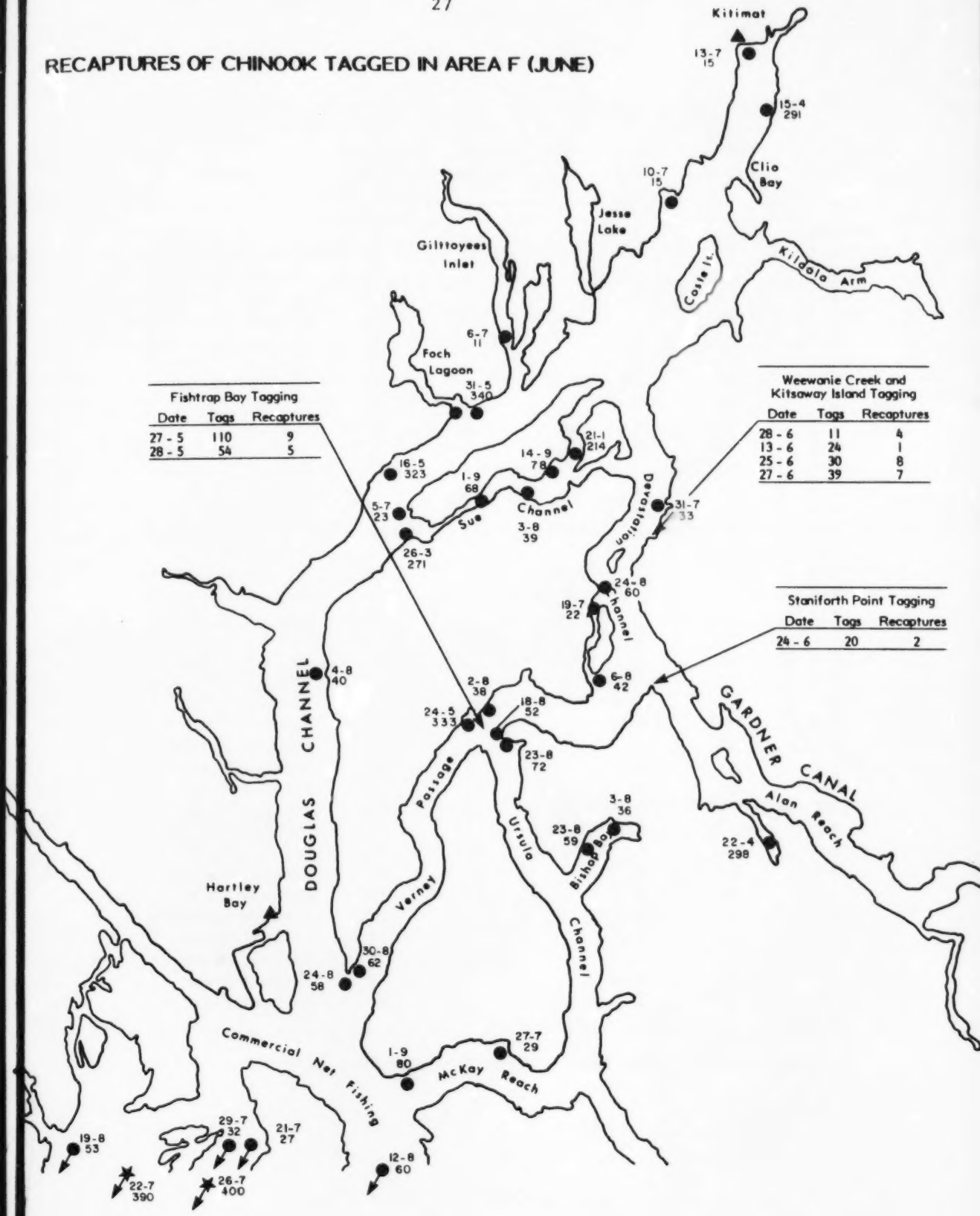
The 14 tags reported in August have a slightly more seaward distribution. One was caught in Sue Channel. Two were caught in Douglas Channel. Five were caught near the points of release (Moody Point; Kitsaway Island and Fishtrap Bay). Four were caught in the outer waters (Bishop Bay and Money Point); these included one fish with a coded-wire tag, but no origin data from the CWT tag has been reported. Two August recoveries were reported by commercial seiners at McDonald Bar (near Prince Rupert) and Taylor Bight (Area 6).

Three were tags were returned in September; 2 from Sue Channel, and one from McKay Reach.

Sue Channel yielded one tag in January 1981 and one in March. In April one tag was retrieved in Kitimat Harbour and one in Triumph Bay (Subarea C).

The 3 tags returned in May 1981 were recovered from Douglas Channel (2) and Fishtrap Bay (1). The last 2 tags were recaptured in July 1981 by commercial fishermen in Area 3Z and Alaska.

RECAPTURES OF CHINOOK TAGGED IN AREA F (JUNE)



SECTION 4: 1980 Commercial Recoveries of CWT Kitimat Chinook*

Week	Gear	Stat Area	Sub Area	No. Tags	Brood Year	Origin
5-4	Tr.	5		1	77	Kitimat Hatchery
6-1	Tr.	5		1	77	Kitimat Hatchery
6-2	Tr.	2E		1	77	Kitimat Hatchery
6-3	Tr.	1		1	77	Kitimat Hatchery
7-1	Tr.	5		1	77	Kitimat Hatchery
7-1	Tr.	6		1	77	Kitimat Hatchery
7-1	Tr.	6		1	77	Kitimat Hatchery
7-1	Tr.	2E	23	1	77	Kitimat Hatchery
7-2	Gn.	1		1	77	Kitimat Hatchery
7-2	Gn.	4		1	77	Kitimat Hatchery
7-2	Tr.	61	164	1	77	Kitimat Hatchery
7-2	Net	4		1	77	Kitimat Hatchery
7-3	Sn.	4		1	78	Kitimat River
7-4	Sn.	6		1	78	Kitimat River
7-4	Tr.	6	30	1	77	Kitimat Hatchery
7-5	Sn.	6		1	78	Kitimat River
7-5	Sn.	6	27	1	78	Kitimat River
7-5	Tr.	5		1	77	Kitimat Hatchery
8-1	Gn.	8	35	1	77	Kitimat Hatchery
8-1	Sn.	3		1	78	Kitimat River
8-1	Sn.	6		5	78	Kitimat River
8-1	Sn.	6		1	77	Kitimat Hatchery
8-1	Sn.	7		1	78	Kitimat River
8-1	Net	6		3	78	Kitimat River
8-1	Net	6		1	77	Kitimat Hatchery
8-2	Sn.	6		1	78	Kitimat River
8-2	Sn.	6	29	1	78	Kitimat River
8-2	Net	6	201	1	78	Kitimat River
8-2	Net	91	222	1	77	Kitimat Hatchery
8-3	Sn.	6		1	78	Kitimat River
8-3	Sn.	6		1	77	Kitimat Hatchery
8-3	Sn.	6	27	1	78	Kitimat River
8-3	Tr.	6	29	1	77	Kitimat Hatchery
8-3	Net	3		2	78	Kitimat River
8-3	Net	6		2	78	Kitimat River
8-4	Net	6		1	78	Kitimat River
9-1	Tr.	5	26	1	77	Kitimat Hatchery

* Data courtesy of Jim Thomas, Head Recovery Program

SECTION 4 Cont'd: 1980 Alaskan Commercial Troll Recoveries* CWT Kitimat Chinook (no location or date of catch data available).

Tag Code	Brood Year	Numbers Recovered
2-20-50	1976 (wild)	2
2-20-34	1977 hatchery	1
2-20-48	1977 hatchery	8
2-16-14	1978 hatchery	3

1981 Alaskan Commercial Troll Recoveries* of Kitimat Chinook.

Tag Code	Brood Year	Numbers Recovered
2-20-34	1977 hatchery	3
2-20-48	1977 hatchery	42
2-16-14	1978 hatchery	12

* Includes 'random sample' and 'select' recoveries. Approximate expansion factor is 6.6.

SECTION 4 Cont'd: 1981 Canadian Commercial Recoveries of CWT Kitimat Chinook .

Catch Area	Gear	Tag Code	Brood Year		Nos. Recovered	Recovery Period
Q.C.I.	Troll	2-20-50	1976	(W)	1	June 1
Dixon Entrance	Troll	2-20-34	1977	(H)	2	June 4 - 16
Area 6, 7, & 8	Troll	2-20-48	1977	(H)	8	May 4 to July 6
Q.C.I.	Troll	2-20-48	1977	(H)	6	June 4 - 25
Area 3 & 4	Net	2-20-48	1977	(H)	3	July 8 - 16
Area 6, 7, & 8	Net	2-20-48	1977	(H)	2	July 15 - 28
Area 12	Net	2-20-48	1977	(H)	1	July 16
Q.C.I.	Troll	2-16-14	1978	(H)	6	June 9 to July 20
Area 6, 7, & 8	Troll	2-16-14	1978	(H)	0	-
Area 3 & 4	Net	2-16-14	1978	(H)	5	July 6 - 17
Area 6 & 8	Net	2-16-14	1978	(H)	3	July 8 to Aug. 12
Area 6	Net	2-20-1[1]	1979	(H)	4	July 15 - Aug. 8
Area 4	Net	2-20-1	1979	(H)	3	July 15 - 21
Area 3	Net	2-20-1	1979	(H)	1	Aug. 6
Area 11	Troll	2-20-1	1979	(H)	1	July 20

1 Individuals recovered from this tag code averaged 396 mm in length and less than 0.9 kg in weight (round).

SECTION 5: Angler Effort and Chinook Catch by residence of Angler and Subarea of Effort: Creel Census Data .

SUBAREA	KITIMAT		B.C.		CANADA		FOREIGN		TOTAL	
	Days Effort	Total Catch	Days Effort	Total Catch	Days Effort	Total Catch	Days Effort	Total Catch	Days Effort	Total Catch
MAY										
A	11	4	2	3	0	0	0	0	13	7
B	82	114	22	24	0	0	0	0	104	138
C	0	0	0	0	0	0	0	0	0	0
D	42	89	39	62	0	0	0	0	81	151
E	15	16	0	0	0	0	0	0	15	16
F	33	68	27	65	2	0	0	0	62	133
G	9	17	7	14	2	1	9	9	18	32
TOTAL	192	308	97	168	4	1	9	9	293	477
JUNE										
A	5	4	4	1	0	0	0	0	9	5
B	124	150	56	39	3	1	0	0	183	190
C	3	0	5	2	4	2	8	10	20	14
D	87	127	33	47	5	6	11	18	136	198
E	74	48	12	13	3	2	1	2	90	65
F	84	166	50	57	0	0	0	0	134	223
G	39	71	5	1	1	4	0	0	45	76
TOTAL	416	566	165	160	16	15	20	30	617	771

SECTION 5 Cont'd: Angler Effort and Chinook Catch by residence of Angler and Subarea of Effort: Creel Census Data.

SUBAREA	KITIMAT		B.C.		CANADA		FOREIGN		TOTAL	
	Days Effort	Total Catch	Days Effort	Total Catch	Days Effort	Total Catch	Days Effort	Total Catch	Days Effort	Total Catch
JULY										
A	41	20	9	1	6	2	3	4	59	27
B	123	97	40	22	26	39	13	4	202	162
C	15	5	0	0	1	0	4	0	20	5
D	108	115	22	24	12	14	0	0	142	153
E	54	40	9	3	2	2	3	1	68	46
F	63	107	26	16	10	10	3	2	102	135
G	75	132	6	4	1	0	0	0	82	136
TOTAL	479	516	112	70	58	67	26	11	675	664
AUGUST										
A	31	2	9	0	1	0	3	0	44	2
B	199	47	75	24	15	3	4	0	293	74
C	22	1	32	0	1	0	0	0	55	1
D	108	34	52	19	9	3	3	0	172	56
E	86	17	16	3	2	0	6	0	110	20
F	139	97	86	49	5	1	5	1	235	148
G	170	135	138	122	6	0	11	1	325	258
TOTAL	755	333	408	217	39	7	32	2	1234	559

SECTION 5 Cont'd: Angler Effort and Chinook Catch by residence of Angler and Subarea of Effort: Creel Census Data.

SUBAREA	KITIMAT		B.C.		CANADA		FOREIGN		TOTAL	
	Days Effort	Total Catch	Days Effort	Total Catch	Days Effort	Total Catch	Days Effort	Total Catch	Days Effort	Total Catch
SEPTEMBER										
A	31	17	10	3	1	1	0	0	42	21
B	104	19	26	3	4	1	0	0	134	23
C	41	1	16	0	0	0	0	0	57	1
D	117	53	21	2	8	6	4	0	150	61
E	60	4	6	0	2	0	0	0	68	4
F	72	22	41	18	2	2	10	0	125	42
G	75	37	47	22	10	0	0	0	132	59
TOTAL	500	153	167	48	27	10	14	0	708	211

KEY: Kitimat: residents of Kitimat or Terrace and surrounding area
B.C.: all British Columbians except those in the Kitimat/Terrace area
Canada: all non-British Columbian Canadians
Foreign: all non-Canadians

SECTION 6: Growth Data. Seine-Caught Anchor-Tagged Chinook Recaptured in the Sport Fishery.

Floy Tag Number	Days at Large	Tagged Length (cm)	Recapture Length (cm)	Abs. Increase per Day	Mean Growth per Day	RRI	IRI	Age (scales)	Kitimat Scale Pattern
ZO2772	7	43	43.2	0.2	0.03	0.01	0.01	-	
ZO2715	7	35	35.0	0	0	0	0	regen.	
ZO2155	10	35	35.0	0	0	0	0	-	
ZO2109	13	32	32.0	0	0	0	0	2	yes
ZO2892	15	35	35.6	0.6	0.04	0.02	0.02	regen.	
ZO1734	19	36	38.1	2.1	0.11	0.06	0.06	-	
ZO2339	21	43.5	43.5	0	0	0	0	-	
ZO2441	23	32	35.6	3.6	0.16	0.11	0.10	2	yes
ZO1162	27	35.5	35.5	0	0	0	0	-	
ZO2979	28	44	45.7	1.7	0.06	0.04	0.04	2	yes
ZO1897	33	36	38.1	2.1	0.06	0.06	0.06	regen.	
ZO2985	33	39	40.6	1.6	0.05	0.04	0.04	regen.	
ZO2579	37	37	43.2	6.2	0.17	0.17	0.16	-	
ZO1026	39	30.5	38.1	7.6	0.19	0.25	0.22	-	
ZO2842	39	36	36.0	0	0	0	0	2	yes
ZO2355	42	31	35.6	4.6	0.11	0.15	0.14	2	yes
ZO1171	42	35	39.4	4.4	0.10	0.13	0.12	-	
ZO2349	43	31	33.0	2.0	0.05	0.07	0.06	-	
ZO2286	50	40	43.2	3.2	0.06	0.08	0.08	regen.	
ZO1720	53	36	41.9	5.9	0.11	0.16	0.15	-	
ZO2574	55	29	34.3	5.3	0.10	0.18	0.17	-	
ZO1208	55	33	39.4	6.4	0.12	0.19	0.18	2	yes
ZO2807	57	33	38.1	5.1	0.09	0.15	0.14	2	yes
ZO2878	60	33	33.0	0	0	0	0	2	yes
ZO2986	63	36	38.1	2.1	0.03	0.06	0.06	2	yes

SECTION 6 Cont'd: Growth Data. Seine-Caught Anchor-Tagged Chinook in the Sport Fishery.

Floy Tag Number	Days at Large	Tagged Length (cm)	Recapture Length (cm)	Abs. Increase per Day	Mean Growth per Day	RRI	IRI	Age (scales)	Kitimat Scale Pattern
ZO2174	65	33	40.6	7.6	0.12	0.23	0.21	2	?
ZO2623	73	36	47.0	11.0	0.15	0.31	0.27	-	
ZO2817	77	38	55.9	17.9	0.23	0.47	0.39	2	yes
ZO2946	79	33	41.9	8.9	0.11	0.27	0.24	2	?
ZO1922	79	38	43.2	5.2	0.07	0.14	0.13	-	
ZO1826	82	33	33.0	0	0	0	0	2	yes
ZO2225	82	33	33.0	0	0	0	0	2	yes
ZO2117	92	32	33.6	1.6	0.02	0.05	0.05	regen.	
ZO1967	95	39	40.6	1.6	0.02	0.04	0.04	regen.	
ZO1910	103	33	40.6	7.6	0.07	0.23	0.21	regen.	

SECTION 7: Coded-Wire Tags Caught by Interviewed Fishermen.

Date of Catch	Catch Location	Length	Scales	Head Band #	Origin
		MAY			
10	Moody Point	54 cm			Elk R. '77
11	Fishtrap Bay	71 cm			Quinsam '76
18	Sue Channel	33 cm			Kitimat '78
18	Sue Channel	47 cm	536-3		
24	Jesse Falls	32 cm	546-7	Q92562	Atnarko '77
24	Jesse Falls	31 cm	546-8	Q92561	
24	Gaudin Point (Devastation Ch.)	55 cm	551-5	Q92564	
25	Coste Rocks	56 cm	554-2	Q92566	Kitimat '77
25	Coste Rocks	60 cm	554-1	Q92565	Kitimat '77
25	Coste Rocks	33 cm	557-1	Q92568	Kitimat '78
25	Coste Rocks	33 cm	557-2	Q92567	Kitimat '78
25	Kitsaway Island	34 cm	560-5	Q92569	Kitimat '78
25	Jesse Falls	58 cm	563-1	Q92570	Quinsam R. '76
25	Moody Point	49 cm		Q92575	
25	Gilttoyees Inlet		564-1	beheaded	
26	Jesse Falls	74 cm	567-7	Q92576	
26	Jesse Falls	45 cm	569-5	Q92577	Kitimat R. '77
26	Sue Channel	63 cm	566-7	Q92571	Kitimat R. '77
26	Moody Point	49 cm		Q92575	
27	Jesse Falls	34 cm	568-5	Q92577	Kitimat R. '78
28	Clio Point	35 cm	570-3	Q92579	
28	Coste Island	31 cm	570-1	Q92578	Puntledge '76
29	Jesse Falls	33 cm		Q92580	
31	Kitsaway Island	80 cm		Q92583	Quinsam R. '76
31	Kitsaway Island	52 cm		Q92584	
		JUNE			
7	Jesse Falls	33 cm	578-4		Kitimat '78
7	Jesse Falls	67 cm		Q92595	Kitimat '77
10	Jesse/Emsley	69 cm	581-1	Q92843	Kitimat '77
		52 cm		?	
14	N. Sue Channel	36 cm			Kitimat '78
14	N. Sue Channel	40 cm			Kitimat '78
15	S. Coste Island	51 cm			Kitimat '77
15	Coste Rocks	61 cm		Q92830	Kitimat '77
15	Fishtrap Bay	61 cm		Q92829	Priest R. '76
15	Tuwartz	36 cm		Q92828	Quinsam '76
15	Tuwartz	30 cm		Q92827	Quinsam '76

SECTION 7 Cont'd: Coded-Wire Tags Caught by Interviewed Fishermen.

Date of Catch	Catch Location	Length	Scales	Head Band #	Origin
		JUNE CONTINUED			
15	Collins Bay Staniforth	56 cm		Q92784	
17	Sue Channel	39 cm			Kitimat R. '78
18	Jesse Falls	33 cm		Q92823	
21	MacKay Reach	61 cm		Q92819	
24	Jesse Falls	33 cm		Q92816	
27	Pike Cr.* Devastation	36 cm	594-B1	Q92815	Kitimat '78
29	MacKay Reach	49 cm		Q92593	Klickitat(w) '77
29	Fishtrap Bay	34 cm		Q92811	Kitimat '78
30	Bishop & Fish Trap Bay	46 cm			Klickitat '77
		JULY			
1	Hopkins Point	38 cm		Q92588	Kitimat '78
2	Sue Channel	63 cm	597-1	(not given in)	
4	Jesse Falls	33 cm	600-4		Kitimat '77
6	Gilttoyees & Miskatla	37 cm			Kitimat '78
10	Weewanie Hot Springs	37 cm			Kitimat '78
12	Sue Channel	37 cm	612-1		Kitimat '78
12	Sue Channel	37 cm	612-4		Kitimat '78
13	Bishop Bay	59 cm			Kitimat '77
13	Bishop Bay	41 cm			
18	Jesse Falls	30 cm			Quinsam '78
19	Jesse Falls	35 cm		Q92809	
20	Sue Channel	37 cm	617-5		Kitimat '78
26	Sue Channel	38 cm		Q92796	Kitimat '78
27	Sue Channel	44 cm		Q92793	Kitimat '78
27	Sue Channel	41 cm		Q92794	Kitimat '78
28	Foch Lagoon	90 cm			
31	Weewanie Creek	40 cm		Q92788	(lost pin)
		AUGUST			
3	Sue Channel	39 cm		Q92791	Kitimat '78
6	Jesse Falls	43 cm		Q92789	Squamish '78
10	Goat Bay/Ursula	?		Q93423	Kitimat '78
14	Bishop Bay	?		Q93427	Bonneville '77
19	Bishop/McKay Reach	43 cm		Q92870	
22	Sue Channel	33 cm		Q92868	Quinsam '78

SECTION 7 Cont'd: Coded-Wire Tags Caught by Interviewed Fishermen.

Date of Catch	Catch Location	Length	Scales	Head Band #	Origin
		SEPTEMBER			
1	McKay Reach	35 cm		Q92897	lost
5	Dala R./Costa	41 cm	655-1	Q92896	Kitimat '78
6	McKay Reach	38 cm	653-1	Q92895	
12	Jesse - Sue Channel	34 cm		Q92893	Quinsam '78
12	Jesse - Fishtrap Bay	41 cm	658-2	Q92894	
14	Sue Channel	38 cm		(no head)	
17	Sue Channel	46 cm	661-1		no pin
28	Alcan Dock	53 cm		Q92874	Quinsam '77